



Planning Engineer, River Engineering - AMENDMENT

If you are committed to public service, enjoy collaborating with others, share our values and have a desire to learn and grow, join [The City of Calgary](#). City employees deliver the services, run the programs and operate the facilities which make a difference in our community. We support work-life balance, promote physical and psychological safety, and offer competitive wages, pensions, and [benefits](#). Together we make Calgary a great place to make a living, a great place to make a life.

The City is committed to fostering a respectful, inclusive and equitable workplace which is representative of the community we serve. We welcome those who have demonstrated a commitment to upholding the values of equity, diversity, inclusion, anti-racism and reconciliation. Applications are encouraged from members of groups that are historically disadvantaged and underrepresented. Accommodations are available during the hiring process, upon request.

As an experienced hydrotechnical engineer on the River Engineering team, you will apply and further develop your hydrotechnical, geotechnical, and civil engineering skills by leading and participating in a variety of projects supporting asset management, river flood resilience, environmental sustainability, and regulatory compliance. You will have a focus on dam safety, river infrastructure design, review, and inspection and emergency response. Primary duties include:

- Conduct technical work supporting implementation of The City's Dam Safety Program, including providing technical input on third-party dam safety reviews and preparation of emergency preparedness and response plans.
- Technical work supporting asset management of river and creek infrastructure including dams, flood barriers, riverbank stabilization works, and fish habitat facilities, including inspections and condition assessments, reviewing records, and hydrotechnical, hydrogeological or geotechnical analyses.
- Perform hydrologic and hydraulic analyses for Calgary's rivers and creeks, including frequency analyses, flow duration curves, and HEC-RAS modelling.
- Review land development applications, assessing dam safety risks, flood risk, groundwater, riparian health, channel stability, and climate change impacts.
- Participate in the River Engineering Team's watershed monitoring and forecasting program, serving as a Forecaster-on-Duty on a rotating basis to monitor flood, drought and ice-jam risks.
- Contribute to annual flood preparedness and emergency response activities.
- Collaborate with other City teams, engaging with Calgarians, the insurance industry, consultants, academics and others, to deliver programs.

Qualifications

- A degree in Civil, or Civil (Water Resources) Engineering and at least 4 years of relevant professional engineering experience in hydrotechnical or water resources engineering obtained after receiving your P. Eng. designation and a current licensure as a Professional Engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA) complete with practicing status OR licensure and practicing status by the first day of work. [Click here for more details](#).
- A valid Class 5 Driver's License (or provincial equivalent) and access to a personal vehicle for business use OR the ability to obtain a City of Calgary [operator's permit](#) is required.
- Experience in hydrologic analyses, hydraulic modelling (HEC-RAS), and dam safety, including familiarity with CDA Guidance and Alberta Dam Safety Regulatory Frameworks is required.
- A graduate degree in a related field is an asset.
- Experience in dam design, construction, operation, surveillance and maintenance, and dam safety compliance for large concrete dams and/or small earthen dams, is an asset.
- Experience in Asset Management for traditional and/or natural infrastructure is an asset.
- Familiarity with stormwater management modelling platforms (SWMM) is an asset.
- Familiarity with GIS/ArcGISPro is an asset.
- To succeed in this role, the candidate must have a proven initiative to tackle new tasks, a commitment to professional excellence, and strong communication and collaboration skills.
- Equivalent combinations of education and experience may be considered.

Working Conditions: Ability to work periodically on evenings or weekends for monitoring. Potentially long day- or night- shifts during an emergency response may be infrequently required.

Pre-employment Requirements

- Successful applicants must provide proof of qualifications.

Workstyle: This position may be eligible to work from home for at least part of the time as one of several flexible work options available to City employees. Such arrangements are based on the operational requirements of the position and employee suitability and are subject to change based on operational needs and corporate direction.

Note: Applicants may be considered for current or future opportunities within Infrastructure or Operational Services, based on qualifications and evolving organizational needs.

Position and Pay Information

Business Unit: Climate and Environment

Union: Exempt

Position Type: 1 Permanent

Compensation: Level P3E \$115,464 - 144,330 per annum

Hours of work: Standard 35 hour work week

Days of work: This position works a 5 day work week earning 1 day off in a 3 week cycle.

Location: 625 25 Avenue SE

Audience: Internal/External

Apply By: May 19, 2026

Job ID: 314091

Amendment: Add Notes